FUJITSU

DATA SHEET

CELSIUS H270

Issue: **November 2009**

Your workstation in motion

CELSIUS H270

No more compromises on graphics quality even when constantly running demanding power-hungry 3D applications. Say hello to a true visual experience. The portable CELSIUS H270 offers its entire performance from a fully equipped workstation at any place - with comprehensive certification for a large number of workstation applications.

Workstation performance

Higher productivity thanks to mobile workstation performance.

- High-end NVIDIA graphics, Intel® Centrino® 2 with vPro™ technology or Intel® Core™2 Extreme processors

No compromises when “on the road”

A very high degree of mobility due to optimized weight and form factor.

- 39.1 cm (15.4-inch) WUXGA or WSXGA+ display, less than 3 kg

Unlimited connectivity

Online anywhere, anytime.

- Integrated WLAN, 3G/UMTS and Bluetooth.

ISV certification

Guaranteed stability, compatibility and performance for leading workstation applications.

- Comprehensive certification for workstation applications (ISV)

Built-in security

Protect your data from non-authorized access

- Integrated SmartCard Reader and Fingerprint Reader

Green IT

Components

Processor	Intel® Core™2 Extreme processor QX9300 (Quad Core, 2.53 GHz, 2 x 6 MB, 1066 MHz)
	Intel® Core™2 Duo processor T9900 (Dual Core, 3.06 GHz, 6 MB, 1066 MHz)
	Intel® Core™2 Quad processor Q9100 (Quad Core, 2.26 GHz, 2 x 6 MB, 1066 MHz)
	Intel® Core™2 Quad processor Q9000 (Quad Core, 2.0 GHz, 6 MB, 1066 MHz)
	Intel® Core™2 Duo processor T9800 (Dual Core, 2.93 GHz, 6 MB, 1066 MHz)
	Intel® Core™2 Duo processor T9600 (Dual Core, 2.8 GHz, 6 MB, 1066 MHz)
	Intel® Core™2 Duo processor P8800 (Dual Core, 2.66 GHz, 3 MB, 1066 MHz)
	Intel® Core™2 Duo processor P8700 (Dual Core, 2.53 GHz, 3 MB, 1066 MHz)
Memory modules	4 GB (1 module(s) 4 GB) DDR3, 1066 MHz, PC3-8500, SO DIMM
	2 GB (1 module(s) 2 GB) DDR3, 1066 MHz, PC3-8500
	1 GB (1 module(s) 1 GB) DDR3, 1066 MHz, PC3-8500
Hard disk drives (internal)	500 GB, 5400 rpm, SATA, 2.5-inch S.M.A.R.T.
	320 GB, 7200 rpm, SATA, 2.5-inch S.M.A.R.T.
	320 GB, 5400 rpm, FDE, 2.5-inch S.M.A.R.T.
	256 GB SSD SATA, 2.5-inch S.M.A.R.T.
	160 GB, 7200 rpm, SATA, 2.5-inch S.M.A.R.T.
	160 GB, 5400 rpm, SATA, 2.5-inch S.M.A.R.T.
	160 GB, 5400 rpm, FDE-3, 2.5-inch S.M.A.R.T.
	128 GB SSD SATA, 2.5-inch S.M.A.R.T.
Hard disk notes	One Gigabyte equals one billion bytes, when referring to hard disk drive capacity.
Display	39.1 cm (15.4-inch) TFT 1920 x 1200 pixel (WUXGA) non-glare display
	39.1 cm (15.4-inch) TFT 1680 x 1050 pixel (WSXGA+) non-glare display
WLAN (optional)	Atheros Minicard b/g 802.11 b/g
	Intel® Wireless WiFi Link 5300 AGN 11/13ch
UMTS/HSUPA (optional)	Option GTM 382 (downlink 7.2 MBit/s, uplink 2.0 MBit/s)
Bluetooth (optional)	Bluetooth 2.1
Modular bay options	2nd battery
	Blu-ray combo drive
	Blu-ray Disc Triple Writer
	DVD Super Multi
	Weight saver
Base unit	**CELSIUS H270**
General system information	
Chipset	Intel® PM45 Express, Intel® 82801IEM (ICH9M-E)
Memory slots	2 SO DIMM
Turbo memory	Optional 4 GB
Supported capacity RAM (max.)	8 GB
Memory notes	In configurations with 4 GB and more the visible memory may be reduced to approximately 3.5 GB or less (for 32-bit operating systems) and configurations with 8 GB the visible memory may be reduced to approximately 7.5 GB or less (depending on system configuration).
Interfaces	
Audio: in	1
Audio: out / SPDIF	1
DC-in	1
DVI	1 (DVI-I Dual Link with HDCP support), maximal resolution 2560 x 1600 pixel (QWXGA)
eSATA	1 (combined with USB, powered with 5V / 1A)
Ethernet (RJ-45)	1
ExpressCard slots	1
FireWire (IEEE1394)	1
Internal microphones	2
Internal speakers	2

Interfaces	
Modem (RJ-11)	1, optional
Multicardreader	1 (SD / MMC / MS / MSPro / XD supported)
Parallel	1 (25 pin)
PC Card slot (Type I/II)	1
Serial (RS-232)	1 (9 pin)
SIM card slot	1
SmartCard slot	1
USB 2.0 total	4
Wired communication	
Modem type	Optional: 56 K V.92 modem MDC1.5
LAN	Built-in 10/100/1000 MBit/s Intel® 82567LM
Wireless technologies	
Infrared link (Fast IrDa 1.1, 4 Mbps)	Yes
Bluetooth	Optional
WLAN	Optional
UMTS	Optional
Input device / components	
	Keyboard Optional: TouchStick TouchPad with two mouse buttons and scroll via fingerprint sensor Second set of mouse buttons EcoButton LockWorkstation button MobilityCenter button Status LCD Fingerprint sensor Info button Wireless button
Multimedia	
Audio codec	Realtek ALC262
Audio features	High Definition audio, 2 internal microphones, 2 internal speakers
Camera	Optional: Built-in webcam, 1.3 megapixel
Slots	
Mini PCI slots	3 (internal)
Graphics	
Graphics brand name	NVIDIA® Quadro FX 770M
Dedicated video memory	512 MB (GDDR3 VRAM)
I/O controller on board	
Serial ATA total	2
Power supply	
AC adapter	20 V / 120 W (6.0 A)
Rated voltage range	100 - 240 V
Rated frequency range	50 - 60 Hz
1st battery	Li-Ion battery 8-cell, 5200 mAh, 74.9 Wh
2nd battery (optional)	Optional: 2nd Li-Ion battery 6 cell, 3800 mAh, 41 Wh
Battery features	Dynamic charge supported (rapid charge)
Benchmark	Mobile Mark 2005
Runtime 1st battery	3.5 h
Runtime 1st + 2nd battery	5 h
Battery notes	Battery life may vary depending on product model, configuration, applications, power management settings and features utilized. Battery recharge time depends on usage.
Dimensions / Weight / Environmental	
Dimension (W x D x H)	363 x 260 x 38 mm
Weight	3 kg

Dimensions / Weight / Environmental	
Weight notes	Weight may vary depending on actual configuration
Operating ambient temperature	5 - 35°C
Operating relative humidity	10 - 75 %

Operating system	
Operating system optional preinstalled	Microsoft® Windows® 7 Professional 64-bit Microsoft® Windows® 7 Professional 32-bit Microsoft® Windows Vista® Business 64-bit Microsoft® Windows Vista® Business 32-bit
Operating system compatible	Microsoft® Windows® XP Professional x64 Edition Microsoft® Windows® XP Professional Linux
Operating system notes	RedHat / Novell certification pending

Additional Software	
Additional software (optional)	Recovery DVD TwinLoad
Additional software (included as a CD/DVD)	Drivers & Utilities DVD (DUDVD) optional Norton Internet Security (incl. Firewall) 90 days version

Manageability	
Manageability type	DeskView 10
Manageability link	http://ts.fujitsu.com/manageability

Security	
Physical security	Kensington Lock support
System security	Optional: Trusted platform module (TPM 1.2) Write protect option for the Flash EPROM
User security	SystemLock BIOS SmartCard security Separate SmartCard slot Integrated Fingerprint Sensor Hard disk password User and supervisor BIOS password SmartCase Logon+ incl. Fingerprint software

Compliance	
Product	CELSIUS H270
Model	Z118D
Germany	GS
Europe	CE
USA/Canada	cCSAus FCC Class B (depending on wireless configuration)
Global	RoHS (Restriction of hazardous substances) Medical certification IEC60601-1-2 in combination with optional medical kit
Compliance link	https://sp.ts.fujitsu.com/sites/certificates/default.aspx

Portreplicator interfaces (optional)	
DC-in	1
Power on switch	1
Headphones	1
Audio: microphone in	1
USB 2.0 total	4
VGA	1
DVI	1, DVI-D single link, maximal resolution 1920 x 1200 pixel (WUXGA)
Serial (RS-232)	1
Mouse / Keyboard (PS/2)	1
Ethernet (RJ-45)	1
Parallel	1
Kensington Lock support	2
eSATA	1

Warranty

Service level	(depending on country)

Maintenance and Support Services - the perfect extension

Recommended Service	5x9, Response Time: Next Business Day
Service Weblink	http://ts.fujitsu.com/Supportservice

Information about environmental care, policies, programs and our Environmental Guideline FSC 03230:
http://ts.fujitsu.com/aboutus
Take back and Recycling information:
http://ts.fujitsu.com/recycling

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